

Art Unit: 3700

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1-12. Cancelled

13. An arrangement for supplying fluid media to consumers of a fuel cell system including the fuel cells thereof and fuel conversion units, the arrangement comprising:

a feed pump unit;

a controllable metering valve interposed between said feed pump and said consumers; and,

said feed pump unit including a high-pressure feed pump and a low-pressure feed pump for feeding said high-pressure pump thereby ensuring that said media is free of possible air pockets.

14. The arrangement of claim 13, wherein a portion of said consumers consume the same medium; and, wherein said arrangement further comprises a plurality of said controllable metering valves connected downstream of said feed pump and operatively connected to respective ones of the consumers of said portion of said consumers.

15. The arrangement of claim 13, wherein said controllable metering valve is a clocked control valve.

16. The arrangement of claim 13, wherein at least one of the switch-on duration and the clock frequency of said controllable metering valve is controllable.

17. The arrangement of claim 16, wherein the clock frequency is greater than 10 Hz.

18. The arrangement of claim 13, wherein the control of said controllable metering valve is provided by a stored characteristic field.

19. The arrangement of claim 13, further comprising means for controlling the volume flow of said media.

20. The arrangement of claim 13, further comprising at least one of a measurement value sensor for detecting the volume flow and a measurement value sensor for measuring pressure mounted in flow direction behind said controllable metering valve.

21. The arrangement of claim 13 further comprising:

means for measuring the pressure in flow direction downstream of said controllable metering valve; and,

a characteristic field assignment of said pressure to the volume flow present at said pressure.

22. The arrangement of claim 13, wherein said feed pump unit is controllable with respect to its rpm.

23. The arrangement of claim 13 further comprising:

a supply tank holding at least one of said media;

a bypass line connected between said supply tank and said feed pump unit; and,

a pressure controller connected in said bypass line.

24. The arrangement of claim 23, wherein said pressure controller is controllable.

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